(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 28 June 2001 (28.06.2001)

PCT

(10) International Publication Number WO 01/45683 A3

(51) International Patent Classification⁷: A61K 45/06, A61P 25/00

(21) International Application Number: PCT/GB00/04883

(22) International Filing Date:

19 December 2000 (19.12.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

9930075.8

20 December 1999 (20.12.1999) GB

- (71) Applicant (for all designated States except US): GLAXO GROUP LIMITED [GB/GB]: Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BOUNTRA, Charanjit [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SGI 2NY (GB), CLAYTON, Nicholas, Maughan [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SGI 2NY (GB), NAYLOR, Alan [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SGI 2NY (GB).

- (74) Agent: LEAROYD, Stephanie, Anne: GlaxoSmithKline. Corporate Intellectual Property. Two New Horizons Court. Brentford, Middlesex TW8 9EP (GB).
- (81) Designated States (national): AE. AG. AL. AM. AT. AU. AZ. BA. BB. BG. BR. BY. BZ. CA. CH. CN. CR. CU. CZ. DE. DK. DM. DZ. EE. ES. FI. GB. GD. GE. GH. GM. HR. HU. ID. IL. IN. IS. JP. KE. KG. KP. KR. KZ. LC. LK. LR. LS. LT. LU. LV. MA. MD. MG. MK. MN. MW. MX. MZ. NO. NZ. PL. PT. RO. RU. SD. SE. SG. SI. SK. SL. TJ. TM. TR. TT. TZ. UA. UG. US. UZ. VN. YU. ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH. GM, KE. LS. MW, MZ. SD. SL, SZ. TZ. UG, ZW). Eurasian patent (AM. AZ, BY, KG. KZ, MD, RU. TJ, TM). European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR). OAPI patent (BF, BJ, CF, CG, Cl, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

(88) Date of publication of the international search report: 14 March 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

Inte .onal Application No PCT/GB 00/04883

			707 0 7005
a. Classi IPC 7	FICATION OF SUBJECT MATTER A61K45/06 A61P25/00		
According to	o International Patent Classification (IPC) or to both national classifi	cation and IPC	
B. FIELDS	SEARCHED		
Minimum do	ocumentation searched (classification system tollowed by classifica $A61K$	tion symbols)	
	tion searched other than minimum documentation to the extent that		
	ata base consulted during the international search (name of data b ternal, PAJ, WPI Data, BIOSIS, CHEM		ed)
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.
X	J. PEREZ-URIZAR E.A.: "Activatia adenosine Al receptors facilitate analgesic effect of ketorolac and ketorolac-caffeine combinations rat" PROCEEDINGS OF THE WESTERN PHARM, SOCIETY, vol. 42, 1999, pages 55-58, XP00 page 55 page 57	es the d in the ACOLOGY	1,2,4,10
X Furth	ner documents are listed in the continuation of box C.	χ Patent tamily members are liste	d in annex.
A docume conside *E* earlier d liling de *L* docume which i citation *O* docume other n *P* docume later th	nt which may throw doubts on priority claim(s) or is cited to establish the publication date of another no rother special reason (as specified) ant reterring to an oral disclosure, use, exhibition or	'T' later document published after the in or priority date and not in conflict will cited to understand the principle or invention 'X' document of particular relevance; the cannot be considered novel or canninvolve an inventive step when the cannot be considered to involve an document of particular relevance; the cannot be considered to involve an document is combined with one or ments, such combination being obviin the art. '&' document member of the same pater	h the application but heory underlying the claimed invention of the considered to locument is taken alone claimed invention nventive step when the nore other such docu-ous to a person skilled at family
18	8 October 2001	05/11/2001	
Name and m	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Authorized officer Peeters, J	

1

INTERNATIONAL SEARCH REPORT

Inte onal Application No PCT/GB 00/04883

10	Miss) DOCUMENTS CONSIDERED TO BE BY	PCT/GB 00/04883	
Calegory °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	[p.35	
	appropriate, or the relevant passages	Relevant to claim No.	
X	A.B.MALMBERG, T.L.YAKSH: "Pharmacology of the spinal action of ketorolac, morphine, ST-91, U50488H, and L-PIA on the formalin test and an isobolographic analysis of the NSAID interaction" ANESTHESIOLOGY, vol. 79, 1993, pages 270-281, XP000998534 page 270 page 274, column 2	1,2,10	
X	WO 99 41267 A (GLAXO) 19 August 1999 (1999-08-19) claim 1 page 27, line 18-24 page 24, line 21 -page 25, line 15	1,10,12	
X	DATABASE MEDLINE 'Online! US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; POLATI E ET AL: "'Balanced spinal analgesia in the treatment of oncologic pain. Review of the literature!. Analgesia spinale bilanciata nel trattamento del dolore oncologico. Rassegna della letteratura." retrieved from STN Database accession no. 97231805 XP002180431 abstract & MINERVA ANESTESIOLOGICA, (1996 NOV) 62 (11) 363-75. REF: 155,	1,10	

1

INTERNATIONAL SEARCH REPORT

Inte ional Application No PCT/GB 00/04883

WO 9941267 A 19-08-1999 AU 2623599 A BR 9907886 A CN 1296491 T	Publication date	Patent family member(s)	Publication date		Patent document cited in search report
WO 9941267 A1 EP 1056759 A1 HR 20000538 A1 NO 20004045 A PL 342396 A1 TR 200002355 T2	30-08-1999 17-10-2000 23-05-2001 19-08-1999 06-12-2000 31-12-2000 11-08-2000 04-06-2001 21-11-2000	R 9907886 A N 1296491 T O 9941267 A1 P 1056759 A1 R 20000538 A1 O 20004045 A L 342396 A1	19-08-1999	A	WO 9941267